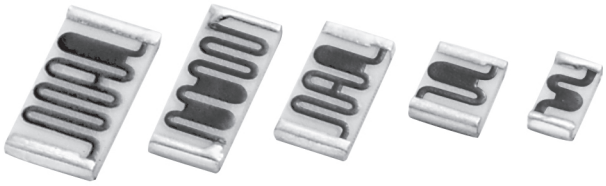
查询HV2512AA1008G100S2供应商

High Voltage Chip Resistors



FEATURES

- High voltage up to 3000 volts.
- Outstanding stability < 0.5%.
- Flow solderable.
- Custom sizes available.
- Automatic placement capability.
- Top and wraparound terminations.
- Tape and reel packaging available.
- Internationally standardized sizes.
- Nickel barrier available.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL*	RESISTANCE RANGE* (Ohms)	POWER RATING* (MW)	VOLTAGE RATING (V) (Max.)
CRHV1206	2M - 8G	300	1500
CRHV1210	4M - 10G	450	1750
CRHV2010	6M - 35G	500	2000
CRHV2510	10M - 40G	600	2500
CRHV2512	12M - 50G	700	3000

*For non-standard sizes, lower values or higher power rating requirement, contact factory at 904-923-3313.

ELECTRICAL SPECIFICATIONS

Resistance Range: 2 Megohms to 50 Gigohms.

Resistance Tolerance: ± 1%, ± 2%, ± 5%, ± 10%, ± 20%.

Temperature Coefficient: ± 100ppm/°C. (- 55°C to + 150°C)

Voltage Rating: 1500V - 3000V.

Short Time Overload: Less than 0.5% ΔR.

MECHANICAL SPECIFICATIONS

Construction: 96% alumina substrate with proprietary cermet resistance element and specified termination material.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: - 55°C to + 150°C

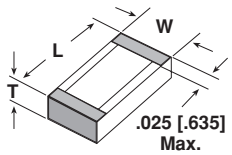
Life: Less than 0.5% change when tested at full rated power.

VOLTAGE COEFFICIENT OF RESISTANCE CHART

SIZE	VALUE (Ohms)	VCR (PPM/V)	FURTHER INSTRUCTIONS
CRHV1206	2M - 199M	25	Values over 200M, consult factory.
CRHV1210	4M - 200M	25	Values over 200M, consult factory.
CRHV2010	6M - 99M 100M - 1G	10 20	Values over 1G, consult factory.
CRHV2510	10M - 99M 100M - 1G	10 15	Values over 1G, consult factory.
CRHV2512	12M - 999M 1G - 5G	10 25	Values over 5G, consult factory.

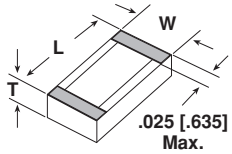
DIMENSIONS in inches [millimeters]

Termination Style A
(3-sided wraparound)

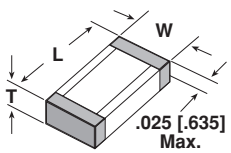


MODEL	LENGTH (L) ± 0.006 [0.152]	WIDTH (W) ± 0.006 [0.152]	THICKNESS (T) ± 0.002 [0.051]
CRHV1206	0.125	0.063	0.025
CRHV1210	0.125	0.100	0.025
CRHV2010	0.200	0.100	0.025
CRHV2510	0.250	0.100	0.025
CRHV2512	0.250	0.126	0.025

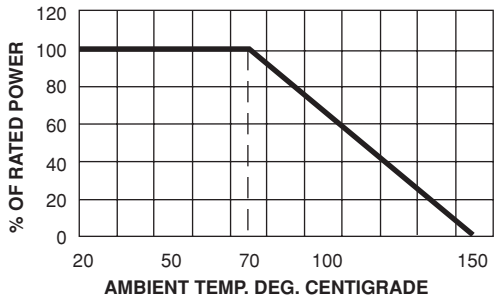
Termination Style B
(Top conductor only)



Termination Style C
(5-sided wraparound)



DERATING CURVE



ORDERING INFORMATION

HV MODEL	**2512** SIZE	**A** TERMINATION STYLE	**A** TERMINATION MATERIAL	**1008** VALUE	**F** TOLERANCE	**100** TCR	**S2** SOLDER TERMINATION
		A = 3 sided B = Top only C = 5 sided	A = Palladium Silver B = Platinum Gold C = Gold D = Platinum Silver E = Palladium Gold F = Nickel Barrier	The first 3 digits are significant figures. Last digit specifies the number of zeros to follow. **Example:** 1008 = 10 Gigohms.	F = ± 1% G = ± 2% J = ± 5% K = ± 10% M = ± 20%	100 = ± 100ppm/°C 150 = ± 150ppm/°C 200 = ± 200ppm/°C 350 = ± 350ppm/°C	S2 = Sn62